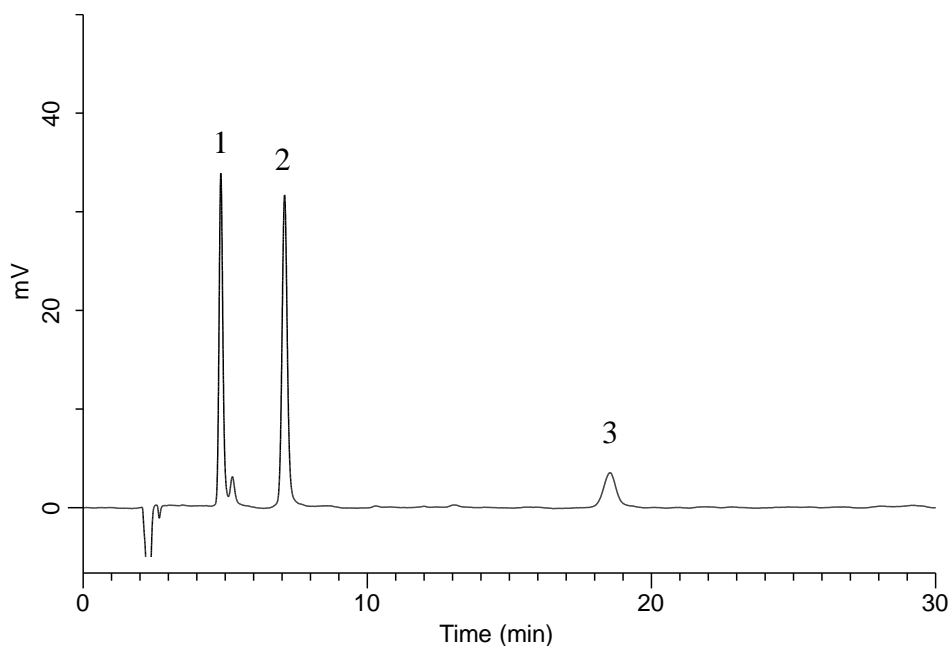


Analysis of Tetracyclines



Conditions

System : GL7700 HPLC system
Column : InertSustainSwift C18
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-88026
Eluent : A) CH₃OH
 B) Imidazole buffer*
 A/B = 15/85, v/v
Flow Rate : 0.85 mL/min
Col. Temp. : 40 °C
Detection : FL Ex 380 nm Em 520 nm
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Oxytetracycline	1 mg/L
2. Tetracycline	1 mg/L
3. Chlortetracycline	1 mg/L

* Imidazole buffer :

Dissolve 68.08 g of imidazole, 0.37 g of disodium ethylenediaminetetraacetate and 10.72 g of magnesium acetate in 800mL of H₂O.

Adjust to pH 7.2 with acetic acid and dilute this solution to 1,000 mL with H₂O.